a toilet bowl located below said water tank and connected to said water tank by said discharge opening;

a spud having an elongated upstanding body with a lower end secured on said discharge opening of said water tank;

a flush valve comprising a tubular element upstanding and extending above the water surface in said water tank and slidably engaged with said spud, a float chamber attached on the lower portion of said tubular element, and a ring attached at the upper portion of said tubular element; and

engaging means connecting said flush valve and a support for engaging the movement of said flush valve to perform a full flush operation or a partial flush operation to flush wastes in said toilet bowl,

wherein said engaging means comprises ~~protrusion means~~ a protrusion element and a groove member with a V-shaped groove recessed in said groove member, wherein said protrusion ~~means~~ element is slidably engaged with said V-shaped groove.

4. (Canceled)

5. (Currently Amended) ~~The dual flush toilet system according to claim 4,~~ A dual flush toilet system for selectively flushing solid waste or liquid waste, said dual flush toilet system comprising:

a water tank with a discharge opening on the bottom of said water tank for storing and receiving water;

a toilet bowl located below said water tank and connected to said water tank by said discharge opening;

a spud having an elongated upstanding body with a lower end secured on said discharge opening of said water tank;

a flush valve comprising a tubular element upstanding and extending above the water surface in said water tank and slidably engaged with said spud, a float chamber attached on the lower portion of said tubular element, and a ring attached at the upper portion of said tubular element;

engaging means connecting said flush valve and a support for engaging the movement of said flush valve to perform a full flush operation or a partial flush operation to flush wastes in said toilet bowl; and

limit means for limiting the vertical movement of said flush valve, wherein said limit means engages said flush valve and a support, wherein said limit means comprises a limit member, a stop member, and adjustable means for adjusting the vertical ~~travel~~ movement limit of said flush valve, and wherein said stop member selectively engages with said limit member.

6. (Canceled)

7. (Canceled)

8. (Canceled)

9. (Canceled)

10. (Currently Amended) ~~The dual flush toilet system according to claim 9~~, A dual flush toilet system for selectively flushing solid waste or liquid waste, said dual flush toilet system comprising:

a water tank with a discharge opening on the bottom of said water tank for storing and receiving water;

a toilet bowl located below said water tank and connected to said water tank by said discharge opening;

a spud having an elongated upstanding body with a lower end secured on said discharge opening of said water tank;

a flush valve comprising a tubular element upstanding and extending above the water surface in said water tank and slidably engaged with said spud, a float chamber attached on the lower portion of said tubular element, and a ring attached at the upper portion of said tubular element;

engaging means connecting said flush valve and a support for engaging the movement of said flush valve to perform a full flush operation or a partial flush operation to flush wastes in said toilet bowl; and

a load device attached to float means for selectively engaging and applying a downward force on said flush valve in a flush operation, wherein said load device engages said flush valve with said float means for controlling the timing to push said flush valve downward to close said discharge opening, and wherein said load ~~means~~ device comprises adjustable means for adjusting the timing to apply a downward load to said flush valve.

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Canceled)

15. (Canceled)

16. (Canceled)

17. (Canceled)

18. (Canceled)

19. (Canceled)

20. (Canceled)

21. (Canceled)

22. (Canceled)

23. (Canceled)

24. (Canceled)

25. (Canceled)

26. (Canceled)

27. (Canceled)

28. (Canceled)

29. (Canceled)

30. (Canceled)

31. (Canceled)

32. (Canceled)

33. (Canceled)

34. (Canceled)

35. (Canceled)

36. (Canceled)

37. (Canceled)

38. (Canceled)

39. (Currently Amended) The dual flush toilet system according to ~~claim 38~~ claim 2, further comprising:

limit means for limiting the vertical travel of said flush valve, wherein said limit means engages between said flush valve and a support, wherein said limit means comprises a limit member, a stop member, and adjustable means for adjusting the vertical movement limit of said flush valve, and wherein said stop member selectively engages with said limit member; and

a load device attached to float means for selectively engaging and applying a downward force on said flush valve in a flush operation, wherein said load device engages said flush valve with said float means for controlling the timing to push said flush valve downward to close said discharge opening, and wherein said load device comprises adjustable means for adjusting the timing to apply a downward load to said flush valve.

~~wherein said engaging means comprises protrusion means and a groove member with a V-shaped groove recessed in said groove member, wherein said protrusion means is slidably engaged with said V-shaped groove.~~

40. (Canceled)

41. (Currently Amended) The dual flush toilet system according to ~~claim 40~~ claim 2, further comprising:

limit means for limiting the vertical travel of said flush valve, wherein said limit means engages said flush valve and a support, wherein said limit means comprises a limit member, a stop member, and adjustable means for adjusting the vertical movement limit of said flush valve, and wherein said stop member selectively engages with said limit member; and

a load device attached to float means for selectively engaging and applying a downward force on said flush valve in a flush operation, wherein said load device engages said flush valve with said float means for controlling the timing to push said flush valve downward to close said discharge opening, and wherein said load ~~means~~ device comprises adjustable means for adjusting the timing to apply a downward load to said flush valve,

wherein said engaging means comprises a protrusion ~~means~~ element and a groove member with a V-shaped groove recessed in said groove member, wherein said protrusion ~~means~~ element is slidably engaged with said V-shaped groove.